

ARM DATA

(INCHES)	POLE END (INCHES)	(INCHES)	(FEET)	GAUGE	WEIGHT (POUNDS)	(POUNDS)	MAX. DEFLECTION
7.45-7.95	7.0	4.76	16	7	241	1700	6.5
7.45-7.95	7.0	4.20	20	7	274	1300	12.0
7.45-7.95	7.0	3.36	26	7	315	1000	24.0
8.45-8.95	8.0	3.80	30	7	409	1100	29.0
9.95-10.45	9.0	4,10	35	7	529	1200	36.0
9.95-10.45	9.0	3.40	40	7	559	1000	52.0
9.95-10.45	10.0	3.84	44	7		1200	57.0
				COLUMN TO SECURE SECURITION OF THE PERSONS			

## NOTES:

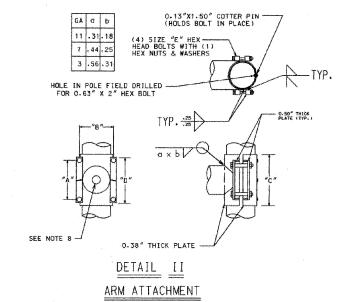
- 1. TRAFFIC SIGNAL ARM SHAFT ASTM DESIGNATION:
  A595 GRADE C, 60,000 PSI MINIMUM YIELD STRENGH WITH A LINEAR TAPER
- TRAFFIC SIGNAL ARM END CAP SECURED IN PLACE WITH 3 SET SCREWS AND 1 THRU ARM END BOLT. (PLATED HARDWARE)
- 3. ALL THREADED FASTENERS TO BE GALVANIZED TO ASTM DESINATION: A153
- ALL VEHICULAR AND/OR PEDESTRIAN SIGNAL LIGHTS AND NECESSARY HARDWARE FOR ATTACHMENT TO BE FIELD LOCATED AND FURNISHED BY OTHERS.
- ALL ARM END CAPS AND ARM CLAMPS TO BE FULLY ASSEMBLED AND ATTACHED TO THE ARM PRIOR TO SHIPPING.
- 6. ARM ASSEMBLY TO BE DEGREASED: CLEANED; CHEMICALLY PRETREATED; GIVEN AN EXTERIOR THERMOSETTING POLYESTER POWDER COAT: AND AN INTERIOR THERMOPLASTIC HYDROCARBON RESIN POWDER COAT. ALL PAINTING TO BE IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 8, "PAINTING".
- 7. MAST ARM SHALL BE TESTED IN ACCORDANCE WITH SPECIFICATION 1454. SECTION 9 WITH TEST VALUES AS SHOWN ON THE "ARM DATA" TABLE.
- HOLE IN CLAMP TO BE 4.0" (MIN.). HOLE TO BE GROUND SMOOTH AND DEBURRED TO PROVIDE A SMOOTH WIRE ENTRY FROM POLE TO MAST ARM.

INDICATES MAX. AND MIN.
I. D. RANGE FOR ARM CLAMP 0.00 - 0.00-

1. D. TAG TO BE MOUNTED ON THE TOP OF THE POLE AS INDICATED, USING 2 "GRIP—NAIL" FASTENERS.

DETAIL I I. D. TAG

CLAMP RANGE	"A"	"B"	"C"	"D"	"E"
7.45" - 7.95"	7.25"	9.92"	10.80"	10.32"	1.00" X 7.50
8.45" - 8.95"	9.00"	10.66"	13.06"	12.50"	1.00" X 8.00
9.95" - 10.45"	10.25"	12.66"	15.30"	13.50"	1.25" X 8.50



В	10-29-02	REFE	RENCES SE	EU. 195	54			
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ILLINOIS DEPARTMENT OF TRANSPORTATION 111TH STREET OVER F.A.I ROUTE 57 (INTERSTATE 57)

SECTION

CONTRACT NO. 62532

2021.1B-R

COUNTY COOK

FED. ROAD DIST. NO. : ILLINOIS FED. AID PROJECT

101 049

ELECTRICAL STANDARD DETAILS

SCALE:

DRAWN BY: N/A CHECKED BY: N/A

DATE: 01/16/09

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